

## ABSTRACT

The present invention provides novel isolated ORX polynucleotides and polypeptides encoded by the ORX polynucleotides. Also provided are the antibodies that immunospecifically bind to an ORX polypeptide or any derivative, variant, mutant or fragment of the ORX polypeptide, polynucleotide or antibody. The invention additionally provides methods in which the ORX polypeptide, polynucleotide and antibody are utilized to assess olfactory acuity.

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